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OCTOBER 1961

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The Indianapolis Radio Club meets on the 2nd and 4th Friday of each month at the Indianapolis Park Board Building located at 29th and Harding Streets. Meetings start promptly at 8:00 P.M., Indianapolis time.

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Ama-Chewer is published monthly by and for I.R.C. and all Amateurs in this area. Non-Members of I.R.C. may subscribe at the rate of \$1.00 per year.

Publication is on the 3rd Friday of each month, with all news items and ads due no later than the 1st Friday of each month.

Ham-Ads (5 line limit) are free to members and subscribers. Others may use this facility at the rate of 50 cents per ad.

Ama-Chewer welcomes the forwarding of information on coming events of other clubs in the area for publication in the program section.

PROGRAM SCHEDULE

NOVEMBER 24TH This evening will be devoted to a Question and Answer period; so everyone put on their thinking caps and give us as many questions, technical or general, as you can come up with. Alvey Pittman-W9JJG, will be moderator of the panel.

DECEMBER 8TH Regular Business Meeting-Election of Officers for 1962.

DECEMBER 15TH Tentative date selected for Christmas party, Park Board Building, 29th & Harding -- 8:00 P.M., everyone welcome, no plans made for children.

NEW FACES

Recently welcomed into the Indianapolis Radio Club are the following new members:

Robert E. Creviston
Ed Blanck
Mel Shrader
Wesley E. Dyer
Paul Gregg

Daniel O'Connell
Richard C. Petris
Ruth Litwiler
Don Litwiler
Ray Andrews

Frank Owens

Remember Club election night is December 8th, 1961. The meeting will be held at the usual place (Indianapolis Park Board Building). All members in good standing should be there to elect those members nominated who they feel can best fill the offices.

Our Club Treasurer, Pat Husk, reports that our current membership is well over 110 people. This is a mighty fine record and we hope to see at least 90% of this group on election night.

Remember -- any five members in good standing may present a slate of candidates for the offices of President, Vice-President, Treasurer, Secretary, 1st Director & 2nd Director. However, these slates must comply with the rules & regulations set forth in the Clubs Constitution. All information required will be found elsewhere in this issue.

PROGRAM REVIEW

On October 27th, the Indianapolis Radio Club was pleased to have as their guest speaker, Mr. Ted Anderson, Field Engineer for Tektronix, Inc. Everyone soon found out that the subject of Oscilloscopes is quite a wide field and we as Hams, are naturally more interested in basic 'scopes and simple monitoring applications.

Mr. Anderson briefly discussed 'scopes in general and punctuated his talk with demonstrations and the disassembly of one of his Company's fine oscilloscopes.

The particular Tektronix oscilloscope shown was more of a laboratory type than most Hams are familiar with. The front panel was studded with easy to reach controls for such things as Sweep Rates, in micro-seconds, rather than in sweep frequencies as is the custom in more commonly available 'scopes.

Various plug in units are available for this instrument. One good example of this is Tektronix' dual beam amplifier.

Upon examining the 'scope, the quality of manufacture was easily apparent, nothing had been short-cut to compromise performance.

Mr. Anderson closed his presentation by mentioning several things to look for when purchasing a 'scope, or comparing performance. First and most important, triggered sweep, secondly, regulated power supplies, then follow D.C. to at least one-hundred KC response (vertical amplifier) and easily accessible horizontal and vertical plate connections. (This is extremely important for monitoring 'scopes).

de-W9PSE

SPLATTER

West Lane Junior High School has been selected by the Adult Education Division of Washington Township to offer an amateur radio class beginning from the "ground" -- up through general class". The class will begin sometime in January.

PROFESSIONAL SERVICE

ALL TYPES OF COMMUNICATION EQUIPMENT

Roger H. Taylor

AX 1-0470

PRESIDENT'S FREQUENCY

I wish to take this opportunity to thank all the members and visitors who have attended the Indianapolis Radio Club meetings this year, and who have made my term in offices as President one of the highlights of the year to be remembered for a long time in the future.

December is the month of many happenings, so I wish to summarize a few of them. The first is the election of officers for the coming year. The Nominating Committee has brought forth the first slate. This was done at the recent November 10th meeting. The names presented were as follows:

President	Ed Ward	K9CRS
Vice-President	Pat Husk	K9EUQ
Secretary	Hank Wolfla	K9LZJ
Treasurer	Al Minnick	K9SUW
Chief Operator	D. J. McVicker	W9JZV
First Director	Bert Brouse	K9JSF
Second Director	D. J. Angus	W9CYQ

Please be advised that only members who have been members of IRC for a full year or more are eligible to hold office. A list is published elsewhere in this issue-please consult. All slates for new officers, accompanied by the endorsement of five members in good standing are acceptable and must be in the hands of the Secretary at least five days prior to the election date. So get your slates in with your preferred listings as soon as possible.

On November 24th the entertainment portion of the meeting will be a Question and Answer session. The panel selected to answer questions will be: D. J. Angus-W9CYQ, Alvey Pittman-W9JJC, Cliff Singer-W9SWD and D. J. McVicker, W9JZV. So get your list of questions and be prepared to "fire" at the panel. We will all learn something at this meeting, so don't miss it!!

The tentative date scheduled for the Christmas party is December 15, 1961. The place is the cafeteria in the same building where we hold our meetings. All Club members and their families are invited to attend. A \$1.00 gift exchange will be conducted. Please label your gift whether for "man" or "woman". Each man should bring a gift for a man, and each woman, a gift for a woman. Due to the limitation of time, there will be no arrangements made for children but

they are definitely welcome. We are endeavoring to obtain a family motion picture along with other entertainment for this occasion. If you have any questions concerning the party, please feel free to contact any officer of the Club or the Editor of "Ama-Chewer".

We are hoping to start a Club project very soon. This will be the assembly of a two-meter tranceiver. Be sure and watch for more on this later.

The meeting of November 10th was a very interesting and informative one. A Swan Tranceiver for 20 meters was demonstrated on-the-air and was later removed from its cabinet for total inspection. We wish to thank very much the amateur who was responsible for this very interesting meeting. He was Bob Wild, W9BOG. A bouquet of flowers and thanks from all present to Bob.

Hope to see you at the Question and Answer session.

Your Pres., Bert Brouse, K9JSF

AUCTION AUCTION AUCTION AUCTION AUCTION AUCTION

DATE----DECEMBER 1, 1961 TIME----Open 6:30 P.M.
PLACE---IBEW HALL Auction 8:00 P.M.
3518 E. Michigan St. HOST--RCA Amateur Radio Club

EVERYONE WELCOME---BRING YOUR EQUIPMENT---COME READY TO SWAP AND SHOP!!

FOR SALE

ELMAC Model A-54-H, 12v. Fil-6883 Final-w/Ranger Mobile Mike. 12 v. @ 35A Realy & 650v @250ma Dynamotor \$60.00
GONSET SUPER 12 (New-3 mos. old) w/mounting bracket. \$60.00
MASTER MOBILE WHIP & 75M Coil (RG-8 20 ft.) \$ 2.50
CONTROL HEAD (Meter, Control Sw, 2 control relays Xmit. & Standby lights) \$ 2.50

(PACKAGE DEAL) Total \$125.00

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309 Benton Drive, TU 1-9771

EDITORIAL

What are you doing about your A.R.E.C. Membership?

The Amateur Radio Emergency Corp is one of the most important ways in which the amateur serves the public. Every amateur, regardless of the extent of his normal operating activities, should give some thought to the possibility of being the only means of communication should his community be cut off from the outside world. ARE YOU READY!!!

The time is at hand for all of us to pick up the loose ends of the many A.R.E.C. nets, regroup, coordinate them and above all see that they are conducted in an efficient business like manner. There are many amateurs who feel that they know how to operate efficiently, however, these same amateurs find themselves considerably handicapped at the crucial time by not knowing proper procedure, by being unable, due to years of casual amateur operations, to adapt themselves to the snappy abbreviated transmission that is so essential to this type of net operation.

What can be done about these problems? Among the publications of our Amateur Radio Relay Leagues is a booklet entitled, "Emergency Communication". This compact booklet offers a wealth of information on A.R.E.C. organization and function.

Don't you think it is time we got in back of our Emergency Coordinators, and the A.R.R.L.? Remember, emergencies happen many times, often in the most unlikely places; they happen without warning and find some amateurs unprepared. It can happen to you. ARE YOU READY?

SPLATTER

K9JRF, Ron, is now on the air with a mighty potent six-meter "Heath Kit Tiny-Watt" transceiver. I think the catalogue called it a "Six-er".

ONE FARAD CONDENSER

Last month the "Puzzle Department" asked the size of a one farad condenser having two square plates, space 1/32nd inch apart, with air as the dielectric.

After careful analysis, we have arrived at the conclusion that we have a pretty low I.Q. level around here.

The deluge of replies (two !) were from Ray Forbes, W9HNS and Merrill Price, W9BZB.

To avoid the chance of arguments, we asked the "lab" at Linde Air to run out the answer and then to cinch it, Jack Williams, K9OLV ran it out on the Purdue computer.

The sides of the square plates for the one farad condenser are 5.8819 miles! HNS submitted 5.895 and was the first reply received, October 26th. BZB (who is now at the bottom of my list for sneaky tricks) sent in an answer of 1 quadrillion, three hundred ninety six trillion square inches. After many hours of sliding the slide rule and scratching on paper, we found this to be equal to 5.896951 miles.

We were disappointed at the lack of interest but HNS wins the prize to be awarded at the next meeting, he was .0019 miles over BZB!!

Just be sure you don't use any one farad condensers!

de - W9JJC

SPLATTER

Our reporters at Purdue University inform us that Rickey, K9KSP has a six-er hidden somewhere in the room and when studies and girls are slow, he is in there "hamming it" with all the guys on campus.

SPLATTER

You RTTY boys had better get ready to modify the printer on the present rig. A new teletype sender has hit the market for commercial use that rattles out 1,050 words a minute or 106 characters a second. (Are you CW men getting the message?)

ATTENTION ALL IRC MEMBERS

The election of officers for 1962 is here again, December 8th. Study the list of eligible members and if you and four others would like to get up a slate, be sure to do so. An active and aggressive club like ours, is not active and aggressive without active and aggressive leaders. (Is my needle stuck?) Ask yourself if you have been (again) active and aggressive and if not, why not? Is there a project you would like to spearhead or even suggest? What would you like to see IRC do for you and the rest of the gang here in Indianapolis?

To aid in your selection of candidates, we would like to quote directly from that section of the Constitution dealing with the election of officers.

"Election of officers shall be held on the first regular meeting night in December of each year.

During the first week of November, the board of directors shall appoint a nominating committee of three members in good standing. Before the 15th of November the nominating committee shall report their nominations, a majority of which must be licensed amateurs, to the secretary who shall immediately send to all club members; (a) written notices of such nominations, together with (b) a complete list of all club members who are eligible to hold office.

Any group of five resident members in good standing wishing to make nominations shall report their nominations, a majority of which must be licensed amateurs, to the secretary at least four days before the annual meeting.

Only persons who have been members for one year or more are eligible to hold office or directorships."

Here is the slate set forth by the Nominating Committee of IRC, of file in the office of the Secretary as of Nov. 10th.

President-Ed Ward, K9CRS; Vice-President-Pat Husk, K9EUQ; Secretary-Hank Wolfla; K9LZJ; Treasurer-Al Minnick, K9SUW; Chief Op.-D.J. McVicker, W9JZV; 1st Director-Bert Brouse, K9JSF; 2nd Director-D. J. Angus, W9CYQ.

The following listing of I.R.C. Resident members in good standing is published in compliance with the I.R.C. Constitution. An asterisk (*) before a members name denotes members who are eligible to hold office.

Raymond N. Andrews, K9DUR	*Richard M. Kinnett, K9VIE
*D. J. Angus, W9CYQ	G. Howard Krauss, W9AMY
*Robert Annis, W9CUD	*James O. Larsen, K9HMO
*M. C. Bartlett, W9MC	Marshall Lincoln, K9KTL
*Paul Beckerich, W9SUN	Donald C. Litwiler, W9MHP
*Fred Billman, K9KKF	Ruth C. Litwiler, K9MZV
*Rosalie Billman, K9KKG	*George Lone, K9CBY
*Frank Black, W9MNA	*Gary Hughes, K9LNX
Edward W. Blanck, K9LAQ	*A. W. Larson, W9SRT
*Ken Brabec, K9SGV	*Gerald Lucas, W9APJ
*Garold Bramblett, W9POF	Betty J. Lunday, K9CGR
*Bert Brouse, K9JSF	Earl Lunday, K9CGQ
*Joseph R. Bucek, W9ZSA	*Fred Manning, W9VPN
*Ralph Bundy, W9MEK	*Ben Marcel, K9IUH
*Jesse Butler, Jr., K9PCA	Elmer Marchino, W9PCL
*Robert Caskey, W9DNQ	*Ralph Mays N/C
*Joseph Chasey, W9EIV	*Alvin Minnick, K9SUV
*James H. Coffey, K9SJF	*Gelnn Montgomery, W9HUD
Robert E. Creviston, K9VMG	*Henry J. McCain
Wesley E. Dyer, K9IBA	*John W. McMahan, K9KVZ
*Lee Easley, Jr., K9QDR	*D. J. McVicker, W9JZV
Les Ettinger, K9BPW	Daniel O'Connell, K9VQI
*Arthur Evans, W9TQC	*David O'Neill, K9VDE
Donald L. Fitch, K9YQR	*Bob Osterhous, W9PSE
*Frank Fitch, W9EJW	Frank R. Owens, K9MWG
*John G. Flick, K9GNC	*Henry Peterson, K9ZRK
*Raymond Forbes, Sr., W9HNS	Richard G. Petraits, W9BFH
*Max Galloway, K9OXA	*Alvey F. Pittman, W9JJC
*James R. Gifford, K9WSV	*Merrill Price, W9BZB
Paul S. Gregg, W9POC	*Paul Ralston, K9ALJ
Edwin L. Healy, W9FJR	*James D. Rees, K9YKH
Robert Heaton, K9RDL	*Claude Richie, W9TKV
*A. Bill Hickok, K9AOM	*Frances Rufner, W9OSH
Richard W. Hickok, K9PUI	*Mark Rufner, W9OSG
*Gary C. Hinderliter, K9OLH	*Ronald O. Rush, W9TGH
*Curtis W. Hunter, K9LVS	*Charl Ryan, K9WST
*Patrick J. Husk, K9EUQ	*Edwin Schaad, W9AYI
J. Richard Judkins, N/C	Donald Schmoll, K9UZW
*F. E. Kamplain, W9SWR	*Charles Seabee, K9GEE
*Robert E. Kiefer, K9JKH	*Howard Severeid, W9DPL
*Wade Kingery, W9JGZ	*Clifford Singer, W9SWD

(LISTING CONTINUED ON NEXT PAGE)

VAN SICKLE SPECIALS

*Doris Singer, K9IXD
Jim Smith, K9DZZ
*Robert Spannuth
Ward L. Studor
*James Sugioka, W9CKB
*John P. Sukup, W9UJY
Vernon B. Swigert, K9YBZ
*Elmer Taflinger, W9GRN
*James O. Thomas N/C

*Gene VanSickle, W9KJF
*Edwin Ward, K9CRS
*Perry Wefler, W9GAR
*Jack Wells, W9EJP
Walter Wilkins, K9SGQ
*Ronald Williams, W9JVF
*Julian Witham, W9STC
*Comer Wolf, W9FLD
*Hank Wolf1a, K9LZJ

SPLATTER

More people these days using those cotton-pickin' sixes, like Tom, K9TDS, who is on the air from the mobile.

Got a real mess of wire behind your rig? Take a look in the Handbook and learn how to lace all the cords into one big cable. Also try spades on those leads going to terminal strips. Makes the messy back of radio equipment look not so messy.

NOTEWORTHY NEWS

A BILL TO PERMIT LICENSING OF FOREIGN HAMS has been introduced by Senator Barry Goldwater, Arizona Republican. The bill would permit reciprocal licensing of foreign amateur radio operators who are residents of those nations which extend similar privileges to American amateur radio operators. The licenses would be issued for any temporary period, not in excess of three years. The bill, which would amend certain sections of the Communications Act of 1934, has been referred to the Senate Commerce Committee, which has requested comments from various Government agencies. When Congress reconvenes in January it is expected that the Senate committee will hold hearings on the bill.

Philco Corp. will become a wholly owned subsidiary of the Ford Motor Corp., under an agreement signed by the directors of both firms. (Ed.Note) Never thought I would see a receiver with four wheel brakes and automatic transmission!

de-K91VH

HEATH DX 20..... \$ 19.00
HEATH DX 60..... \$ 79.00
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JOHNSON VIKING VALIANT..... \$299.00
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GONSET COMMUNICATOR IV..... \$299.00
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FCC EXAM NOVEMBER 16TH

We don't doubt that our cover is a pretty fair picture of the "Think Box" of the eighty odd potential Hams at the recent FCC exams at the Federal Building here.

Psychologists might explain the common bond that exists among Hams the whole world over is generated out of an understanding of the effort each one has expended to reach a goal--and the ultimate achievement of that goal.

No other hobby requires the study and drive to even begin to participate and enjoy its many facets.

This hobby, with a service to give, is truly unique and we wish this new crop of potential Amateurs good luck and keep your fingers crossed for them.

de--W9JJC

Mr. Emmitt Belzer of the Bell Telephone Company addressed the Club on Telephone and Radio Communication, this included Transatlantic telephony and the like.

Earl Lemme of Charlottesville who had attended the code class of Prof. Nelson, W9BHC has a call, W9VVT. Smokey Joe, W9DCW, of Pendleton (another of the 160 meter gang) was reported passing out cigars as his wife had presented him with a baby girl, Judith Kay, born August 31, 1941. It was further stated that for a while the hospital was afraid that they would have to take down the hospital sign, "We Have Never Lost A Father". All got along quite well, however, we are happy to report at this late date.

LeRoy Waggoner who had been reported as new EC went to work with vim as he was reported in Muncie to talk with other men so that problems could be thrashed out.

The club's transmitter committee reported that soon the 80-160 meter station would soon be on the air with the completion of the cabinet. Tom Wonnell, W9WQA, would soon be leaving for Bloomington for a teaching job there. W9YMW, LeRoy (again, he was really getting around then wasn't he?) received his class A and that night he went on the air with a SST broadcast of a FCC ruling canceling class privileges. But, it was said that he had had another OB since that night that makes him feel better about the whole thing.

Charley Campbell the printer of Ama-Chewer at that time was reported vacationing and painting his house so that he was unable to print that months issue of Ama-Chewer. JYP and DNQ along with their YL's made a good will tour of Pendleton, Anderson, Muncie, Carthage and ended up at Morristown. There they were treated to a chicken dinner by the XYL of Willie (Elizabeth). They remarked that the chicken was certainly good but that they were sorry that Willie was not there to share it. JYP, by the way, was soon to take over the whole of the house that up to that time he had been renting a room in.

de - W9DNQ

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JOHNSON CHALLENGER.....	\$ 74.50
NATIONAL NC-188.....	\$ 97.00
GLOBE SCOUT DE LUX.....	\$129.50
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HEATH MR-1....(MOBILE RECEIVER).....	\$ 95.00
PMR 6A..ELMAC.....VERY CLEAN.....	\$ 55.00

G.E. HAM NEWS

The G. E. Ham News is now available in a bound Volume III containing all issues (260 pages) from 1956 through 1960 with a 80 page supplement. We have Vol. I & II and find them a handy reference. Vol. III is \$3.00 and is available from:

G.E. Ham News, Gen. Elec. Co.
Receiving Tube Dept.
316 East 9th Street
Owensboro, Kentucky

Just on the chance there might be someone else as slow-witted as I am, we are printing this handy, dandy conversion chart for the micro and micro-micro farad values. Did you ever use a .0025 micro for a 250 micro-micro farad condenser?

Cut out this char, hang it over your work bench and be an expert like me. (de-W9JJJC)

HANDY DANDY CONDENSER CONVERSION CHART

<u>FARAD</u>	<u>MICRO-FARAD</u>	<u>MICRO-MICRO-FARAD</u>
1.		
.1		
.01		
.001		
.0001	----- 100.	
.00001	----- 10.	
.000001	----- 1.	
.1		
.01		
.001	----- 1000.	
.0001	----- 100.	
.00001	----- 10.	
.000001	----- 1.	
.1		
.01		
.001		
.0001		
.00001		
.000001		

EXAMPLE: .0025 mfd (equals) 2500 mmfd
150 mmfd (equals) .00015 mfd

Developed by the "Now You Can Be As Smart As I Am" Committee of the Indianapolis Radio Club, Inc.

HAM AD

WANTED: "COMMAND" Receivers 190-550 Kc. or 1500-3000 kc. Cash or Swap "Command" xmtrs. Modulator, Link policy FM receiver, other "goodies"

Steve Smith
Clifford 3-0630

K9SGK Steve is now holding down a frequency on two meters with a Communicator I. From what we hear, the ground wave on two is really "way out".

K9JSF Bert finally talked his XYL into letting him put all the mobile gear into the new car. What's the secret Bert? Tell us how you do it.

W9PSE We have missed hearing this call on six meters or any band for quite a few weeks. Does anyone know what Bod is doing on these cold, Winter nights?

Did you know a WE5591 is a better substitute for a 6AK5 in the front end of your receiver - low noise level.

W9EIR Tony has traded in the DX-100 and SB-10 for the popular HT-37 and is even thinking of hanging up his fishing pole.



(Ed. Note) That's an awful lot of "splatter"!!!

Portrait

Commercial
Weddings

PHOTOGRAPHY

by

Frank M. Fitch

W 9 E J W

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